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passed by the recent session of congress carries an appropriation of \$9,932,940. Of this amount the sums appropriated for what may be termed work in applied science are distributed as follows:

The Bureau of Animal Industry receives \$4,029,460, but of this amount \$3,000,000 are to be devoted to the meat inspection, the discussion of which has occupied so much of the time of congress and of the public press during the past few weeks; Weather Bureau, \$1,439,240; Bureau of Plant Industry, \$1,024,740; Forest Service, \$1,017,500; Agricultural Experiment Stations, including the Department Office of Experiment Stations, \$974,860; Bureau of Entomology, \$262,100; Division of Publications, \$248,520; Bureau of Soils, \$221,460; Bureau of Statistics, \$210,560; Bureau of Chemistry, \$174,180; Office of Public Roads, \$70,000; Bureau of Biological Survey, \$52,000; Library, \$25,880.

The growth of this great government department has been marvelous during the past decade, and the value of its administration to the country at large seems, by results, to have justified this increase in its appropriations.

CARNEGIE FOUNDATION FOR THE ADVANCEMENT OF TEACHING.

THE following list of forty-six institutions is announced by the executive committee of the Carnegie Foundation for the Advancement of Teaching as a first provisional list of colleges and universities admitted to the benefits of the Carnegie Foundation for the Advancement of Teaching.

To professors in these institutions the privileges of the retiring allowances are extended, under the rules of the foundation, as a regular part of the academic compensation and through their own institutions. That is to say, the professors in these institutions receive the allowances which their services earn, immediately upon the request of their institution, as a matter of right.

From this list are omitted all institutions having formal denominational connections, or which require their trustees or officers to belong to a specified denomination. A number of these institutions may in time make clear

to the trustees their right to a place in the list.

Similarly are omitted all institutions controlled and supported by a state, province or municipality. The question of the admission of such institutions to the benefits of the Carnegie Foundation will be decided at a meeting of the trustees in November, at which time the representatives of state institutions will have a full opportunity to present any statement they may desire.

All institutions are omitted from this list which fall below the academic standard of a college which the trustees have adopted. Many of these will in time be able to claim places in the list of accepted institutions by raising their standards of entrance or of work. To all three of these classes of institutions there can be no hardship in such delay as may be necessary to enable the trustees to deal thoroughly and fairly with the questions of educational standard and of denominational and state control.

It is not to be understood that the institutions named below are the only ones in which teachers will be granted retiring allowances even at the present time, but to professors in institutions not on the accepted list retiring allowances thus voted will be individual grants in recognition of unusual or distinguished service as a teacher. The trustees have sought to recognize in a generous way individual scholars and the list of those to whom retiring allowances have already been voted includes a number of the most eminent names among American teachers.

The Carnegie Foundation does not give out an official list of those to whom retiring allowances have been granted, but among those whose names have been published in the daily papers are the following: Henry Pickering Bowditch, professor of physiology at Harvard University; George Trumbull Ladd, professor of philosophy at Yale University; Francis A. March, professor of English and comparative philology at Lafayette College; Edward W. Morley, professor of chemistry at Western Reserve University; John Krom Rees, professor of astronomy at Columbia University; Charles Augustus Young, professor of astronomy at Princeton University.

INSTITUTIONS IN THE UNITED STATES.

Amherst College, Amherst, Mass.
 Beloit College, Beloit, Wisconsin.
 Carleton College, Northfield, Minn.
 Case School of Applied Science, Cleveland, Ohio.
 Clark University, Worcester, Mass.
 Clarkson School of Technology, Potsdam, N. Y.
 Colorado College, Colorado Springs, Colo.
 Columbia University, New York City.
 Cornell University, Ithaca, N. Y.
 Dartmouth College, Hanover, N. H.
 George Washington Univ., Washington, D. C.
 Hamilton College, Clinton, N. Y.
 Harvard University, Cambridge, Mass.
 Hobart College, Geneva, N. Y.
 Johns Hopkins University, Baltimore, Md.
 Knox College, Galesburg, Ill.
 Iowa College, Grinnell, Iowa.
 Lawrence University, Appleton, Wis.
 Lehigh University, S. Bethlehem, Pa.
 Leland Stanford Univ., Stanford Univ., Cal.
 Marietta College, Marietta, Ohio.
 Mass. Inst. Tech., Boston, Mass.
 Middlebury College, Middlebury, Vt.
 Mt. Holyoke College, S. Hadley, Mass.
 New York University, New York City.
 Oberlin College, Oberlin, Ohio.
 Polytechnic Institute, Brooklyn, N. Y.
 Princeton University, Princeton, N. J.
 Radcliffe College, Cambridge, Mass.
 Ripon College, Ripon, Wisconsin.
 Smith College, Northampton, Mass.
 Stevens Institute Technology,¹ Hoboken, N. J.
 Trinity College, Hartford, Conn.
 Tulane University,¹ New Orleans, La.
 Union College, Schenectady, N. Y.
 University of Pennsylvania, Philadelphia, Pa.
 University of Vermont, Burlington, Vt.
 Vassar College, Poughkeepsie, N. Y.
 Wabash College, Crawfordsville, Ind.
 Washington University, St. Louis, Mo.
 Wellesley College, Wellesley, Mass.
 Wells College, Aurora, N. Y.
 Western Reserve University, Cleveland, Ohio.
 Williams College, Williamstown, Mass.
 Western Univ. of Penn., Pittsburg, Pa.
 Yale University, New Haven, Conn.

INSTITUTIONS IN CANADA.

Dalhousie University, Halifax, N. S.
 McGill University, Montreal, Canada.

¹ On the basis of entrance requirements of 1907.

SCIENTIFIC NOTES AND NEWS.

DR. ERNST MACH, of Vienna, has been awarded the Bavarian Maximilian order for science and art.

OXFORD UNIVERSITY conferred, on June 20, the honorary degree of doctor of science on Dr. John Milne, F.R.S., known for his researches in seismology.

THE Technical Institute of Berlin has conferred on Mr. George Westinghouse the degree of doctor of engineering.

THE University of Vermont has conferred the degree of doctor of science on Mr. C. G. Pringle, keeper of the herbarium of the university.

DR. WILLIAM W. KEEN, professor of surgery in the Jefferson Medical College, Philadelphia, has been elected a trustee of Vassar College to fill the vacancy caused by the death of Dr. Edward Lathrop.

M. CHARLES TRÉPIED, director of the Astronomical Observatory of Algiers, has been elected a corresponding member of the Paris Academy of Sciences.

DR. E. LUDWIG, professor of medical chemistry in the University of Vienna, has been elected an active member, and Dr. J. Herzig, professor of chemistry, a corresponding member, of the Vienna Academy of Sciences.

DR. CANNIZZARO, professor of chemistry at Rome, and director Dr. H. Th. Böttinger, of Elberfeld, have been elected honorary members of the German Bunsen Society.

DR. G. KRAATZ, the Berlin entomologist, has celebrated the fiftieth anniversary of his doctorate.

DR. T. P. ANDERSON STUART has been elected president of the Royal Society of New South Wales.

THE international celebration of the Coal-Tar Color Jubilee will be held on July 26 and 27. There will be a meeting at the Royal Institution at 11 o'clock on July 26 for the presentation to Dr. Perkin of the portrait, bust and addresses, and there will be a banquet at the Whitehall Rooms at 7 o'clock, at which many distinguished guests are expected to be present. On July 27 a visit will be paid